

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> DECLARE

2 V_Name Emp.Ename%TYPE;

3 V_Sal Emp.Sal%TYPE;

4 CURSOR MyCursor

5 IS

6 SELECT Ename, Sal

7 FROM Emp;

8 BEGIN

9 OPEN MyCursor;

10 FETCH MyCursor INTO V_Name, V_Sal;

11 DBMS_OUTPUT.PUT_LINE(V_Name||''''s Salary is \$ '||V_Sal);

12 FETCH MyCursor INTO V_Name, V_Sal;

13 DBMS_OUTPUT.PUT_LINE(V_Name||''''s Salary is \$ '||V_Sal);

14 CLOSE MyCursor;

15 END;

16 /

KING's Salary is \$ 5000

BLAKE's Salary is \$ 2850

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

1 DECLARE

2 CURSOR MyCursor

3 IS

4 SELECT Ename, Sal

5 FROM Emp;

6 V_EmpData MyCursor%ROWTYPE;

7 BEGIN

8 OPEN MyCursor;

9 FETCH MyCursor INTO V_EmpData;

10 DBMS_OUTPUT.PUT_LINE(V_EmpData.Ename||''''s Salary is \$ '||V_EmpData.Sal);

11 FETCH MyCursor INTO V_EmpData;

12 DBMS_OUTPUT.PUT_LINE(V_EmpData.Ename||''''s Salary is \$ '||V_EmpData.Sal);

13 CLOSE MyCursor;

14 END;

SQL> /

KING's Salary is \$ 5000

BLAKE's Salary is \$ 2850

PL/SQL procedure successfully completed.

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```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  CURSOR MyCursor
3  IS
4  SELECT Ename, Sal
5  FROM Emp
6  ORDER BY Sal;
7  V_EmpData MyCursor%ROWTYPE;
8  BEGIN
9  OPEN MyCursor;
10  FETCH MyCursor INTO V_EmpData;
11  DBMS_OUTPUT.PUT_LINE(V_EmpData.Ename||''s Salary is $
'||V_EmpData.Sal);
12  FETCH MyCursor INTO V_EmpData;
13  DBMS_OUTPUT.PUT_LINE(V_EmpData.Ename||''s Salary is $
'||V_EmpData.Sal);
14  CLOSE MyCursor;
15* END;
SQL> /
SMITH's Salary is $ 800
JAMES's Salary is $ 950
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> ED
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```
1  DECLARE
2  V_Ename  Emp.Ename%TYPE;
3  V_Sal    Emp.Sal%TYPE;
4  CURSOR MyCursor
5  IS
6  SELECT Ename, Sal
7  FROM Emp;
8  BEGIN
9  OPEN MyCursor;
10  FETCH MyCursor INTO V_Ename, V_Sal;
11  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
12  FETCH MyCursor INTO V_Ename, V_Sal;
13  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
14  FETCH MyCursor INTO V_Ename, V_Sal;
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16 FETCH MyCursor INTO V_Ename, V_Sal;  
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19 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
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35 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
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36 FETCH MyCursor INTO V_Ename, V_Sal;  
37 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
38 CLOSE MyCursor;  
39* END;
```

SQL> /

```
Row Number 1 : KING's Salary is $ 5000  
Row Number 2 : BLAKE's Salary is $ 2850  
Row Number 3 : CLARK's Salary is $ 2450  
Row Number 4 : JONES's Salary is $ 2975  
Row Number 5 : MARTIN's Salary is $ 1250  
Row Number 6 : ALLEN's Salary is $ 1600  
Row Number 7 : TURNER's Salary is $ 1500  
Row Number 8 : JAMES's Salary is $ 950  
Row Number 9 : WARD's Salary is $ 1250  
Row Number 10 : FORD's Salary is $ 3000
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```
Row Number 11 : SMITH's Salary is $ 800
Row Number 12 : SCOTT's Salary is $ 3000
Row Number 13 : ADAMS's Salary is $ 1100
Row Number 14 : MILLER's Salary is $ 1300
```

PL/SQL procedure successfully completed.

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1  DECLARE
2  V_Ename  Emp.Ename%TYPE;
3  V_Sal    Emp.Sal%TYPE;
4  CURSOR MyCursor
5  IS
6  SELECT Ename, Sal
7  FROM Emp;
8  BEGIN
9  OPEN MyCursor;
10  FETCH MyCursor INTO V_Ename, V_Sal;
11  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
12  FETCH MyCursor INTO V_Ename, V_Sal;
13  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
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14  FETCH MyCursor INTO V_Ename, V_Sal;
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25  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
26  FETCH MyCursor INTO V_Ename, V_Sal;
27  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
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28  FETCH MyCursor INTO V_Ename, V_Sal;
29  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
30  FETCH MyCursor INTO V_Ename, V_Sal;
31  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
32  FETCH MyCursor INTO V_Ename, V_Sal;
33  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
34  FETCH MyCursor INTO V_Ename, V_Sal;
35  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
36  FETCH MyCursor INTO V_Ename, V_Sal;
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'||V_Ename||''s Salary is $ '||V_Sal);
38  FETCH MyCursor INTO V_Ename, V_Sal;
39  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
40  FETCH MyCursor INTO V_Ename, V_Sal;
41  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
42  CLOSE MyCursor;
43* END;
```

SQL> /

```
Row Number 1 : KING's Salary is $ 5000
Row Number 2 : BLAKE's Salary is $ 2850
Row Number 3 : CLARK's Salary is $ 2450
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Row Number 10 : FORD's Salary is $ 3000
Row Number 11 : SMITH's Salary is $ 800
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```

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

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2  V_Name Emp.Ename%TYPE;
3  V_Sal  Emp.Sal%TYPE;
4  CURSOR MyCursor
5  IS
6  SELECT Ename, Sal
7  FROM Emp;
8  BEGIN
9  --OPEN MyCursor;
10 FETCH MyCursor INTO V_Name, V_Sal;
11 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||
'||V_Name||''s Salary is $ '||V_Sal);
12 FETCH MyCursor INTO V_Name, V_Sal;
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'||V_Name||''s Salary is $ '||V_Sal);
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```
36  FETCH MyCursor INTO V_Ename, V_Sal;
37  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
38  FETCH MyCursor INTO V_Ename, V_Sal;
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'||V_Ename||''s Salary is $ '||V_Sal);
40  FETCH MyCursor INTO V_Ename, V_Sal;
41  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
42  CLOSE MyCursor;
43* END;
SQL> /
DECLARE
*
ERROR at line 1:
ORA-01001: invalid cursor
ORA-06512: at line 10
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Ename  Emp.Ename%TYPE;
3  V_Sal    Emp.Sal%TYPE;
4  CURSOR MyCursor
5  IS
6  SELECT Ename, Sal
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8  BEGIN
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33 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
34 CLOSE MyCursor;  
35 FETCH MyCursor INTO V_Ename, V_Sal;  
36 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
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*
ERROR at line 1:
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ORA-06512: at line 35
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7  FROM Emp;
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'||V_Ename||''s Salary is $ '||V_Sal);  
32 FETCH MyCursor INTO V_Ename, V_Sal;  
33 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
34 CLOSE MyCursor;  
35 CLOSE MyCursor;  
36* END;
```

SQL> /

```
Row Number 1 : KING's Salary is $ 5000  
Row Number 2 : BLAKE's Salary is $ 2850  
Row Number 3 : CLARK's Salary is $ 2450  
Row Number 4 : JONES's Salary is $ 2975  
Row Number 5 : MARTIN's Salary is $ 1250  
Row Number 6 : ALLEN's Salary is $ 1600  
Row Number 7 : TURNER's Salary is $ 1500  
Row Number 8 : JAMES's Salary is $ 950  
Row Number 9 : WARD's Salary is $ 1250  
Row Number 10 : FORD's Salary is $ 3000  
Row Number 11 : SMITH's Salary is $ 800  
Row Number 12 : SCOTT's Salary is $ 3000
```

DECLARE

*

ERROR at line 1:

ORA-01001: invalid cursor

ORA-06512: at line 35

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1 DECLARE  
2 V_Ename Emp.Ename%TYPE;  
3 V_Sal Emp.Sal%TYPE;  
4 CURSOR MyCursor  
5 IS  
6 SELECT Ename, Sal  
7 FROM Emp;  
8 BEGIN  
9 OPEN MyCursor;  
10 FETCH MyCursor INTO V_Ename, V_Sal;  
11 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);
```

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```
12  FETCH MyCursor INTO V_Ename, V_Sal;
13  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
14  FETCH MyCursor INTO V_Ename, V_Sal;
15  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
16  FETCH MyCursor INTO V_Ename, V_Sal;
17  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
18  OPEN MyCursor;
19  FETCH MyCursor INTO V_Ename, V_Sal;
20  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
21  FETCH MyCursor INTO V_Ename, V_Sal;
22  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
23  FETCH MyCursor INTO V_Ename, V_Sal;
24  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
25  FETCH MyCursor INTO V_Ename, V_Sal;
26  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
27  FETCH MyCursor INTO V_Ename, V_Sal;
28  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
29  FETCH MyCursor INTO V_Ename, V_Sal;
30  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
31  FETCH MyCursor INTO V_Ename, V_Sal;
32  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
33  FETCH MyCursor INTO V_Ename, V_Sal;
34  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
35  CLOSE MyCursor;
36  FETCH MyCursor INTO V_Ename, V_Sal;
37  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
38  FETCH MyCursor INTO V_Ename, V_Sal;
39  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
40  FETCH MyCursor INTO V_Ename, V_Sal;
41  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
42  FETCH MyCursor INTO V_Ename, V_Sal;
43  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
44  CLOSE MyCursor;
```

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```
45* END;
SQL> /
Row Number 1 : KING's Salary is $ 5000
Row Number 2 : BLAKE's Salary is $ 2850
Row Number 3 : CLARK's Salary is $ 2450
Row Number 4 : JONES's Salary is $ 2975
DECLARE
*
ERROR at line 1:
ORA-06511: PL/SQL: cursor already open
ORA-06512: at line 6
ORA-06512: at line 18
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Ename Emp.Ename%TYPE;
3  V_Sal Emp.Sal%TYPE;
4  CURSOR MyCursor
5  IS
6  SELECT Ename, Sal
7  FROM Emp;
8  BEGIN
9  OPEN MyCursor;
10 FETCH MyCursor INTO V_Ename, V_Sal;
11 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
12 FETCH MyCursor INTO V_Ename, V_Sal;
13 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
14 FETCH MyCursor INTO V_Ename, V_Sal;
15 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
16 FETCH MyCursor INTO V_Ename, V_Sal;
17 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
18 CLOSE MyCursor;
19 OPEN MyCursor;
20 FETCH MyCursor INTO V_Ename, V_Sal;
21 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
22 FETCH MyCursor INTO V_Ename, V_Sal;
23 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
24 FETCH MyCursor INTO V_Ename, V_Sal;
```

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```
25 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
26 FETCH MyCursor INTO V_Ename, V_Sal;  
27 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
28 FETCH MyCursor INTO V_Ename, V_Sal;  
29 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
30 FETCH MyCursor INTO V_Ename, V_Sal;  
31 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
32 FETCH MyCursor INTO V_Ename, V_Sal;  
33 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
34 FETCH MyCursor INTO V_Ename, V_Sal;  
35 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
36 CLOSE MyCursor;  
37 FETCH MyCursor INTO V_Ename, V_Sal;  
38 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
39 FETCH MyCursor INTO V_Ename, V_Sal;  
40 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
41 FETCH MyCursor INTO V_Ename, V_Sal;  
42 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
43 FETCH MyCursor INTO V_Ename, V_Sal;  
44 DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :  
'||V_Ename||''s Salary is $ '||V_Sal);  
45 CLOSE MyCursor;  
46* END;
```

SQL> /

```
Row Number 1 : KING's Salary is $ 5000  
Row Number 2 : BLAKE's Salary is $ 2850  
Row Number 3 : CLARK's Salary is $ 2450  
Row Number 4 : JONES's Salary is $ 2975  
Row Number 1 : KING's Salary is $ 5000  
Row Number 2 : BLAKE's Salary is $ 2850  
Row Number 3 : CLARK's Salary is $ 2450  
Row Number 4 : JONES's Salary is $ 2975  
Row Number 5 : MARTIN's Salary is $ 1250  
Row Number 6 : ALLEN's Salary is $ 1600  
Row Number 7 : TURNER's Salary is $ 1500  
Row Number 8 : JAMES's Salary is $ 950
```

DECLARE

*

ERROR at line 1:

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ORA-01001: invalid cursor
ORA-06512: at line 37

SQL> ED
Wrote file afiedt.buf

```
1  DECLARE
2  V_Ename  Emp.Ename%TYPE;
3  V_Sal    Emp.Sal%TYPE;
4  CURSOR MyCursor
5  IS
6  SELECT Ename, Sal
7  FROM Emp;
8  BEGIN
9  OPEN MyCursor;
10  FETCH MyCursor INTO V_Ename, V_Sal;
11  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
12  FETCH MyCursor INTO V_Ename, V_Sal;
13  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
14  FETCH MyCursor INTO V_Ename, V_Sal;
15  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
16  FETCH MyCursor INTO V_Ename, V_Sal;
17  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
18  CLOSE MyCursor;
19  OPEN MyCursor;
20  FETCH MyCursor INTO V_Ename, V_Sal;
21  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
22  FETCH MyCursor INTO V_Ename, V_Sal;
23  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
24  FETCH MyCursor INTO V_Ename, V_Sal;
25  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
26  FETCH MyCursor INTO V_Ename, V_Sal;
27  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
28  FETCH MyCursor INTO V_Ename, V_Sal;
29  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
30  FETCH MyCursor INTO V_Ename, V_Sal;
31  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''''s Salary is $ '||V_Sal);
```

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```
32  FETCH MyCursor INTO V_Ename, V_Sal;
33  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
34  FETCH MyCursor INTO V_Ename, V_Sal;
35  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
36  CLOSE MyCursor;
37  OPEN MyCursor;
38  FETCH MyCursor INTO V_Ename, V_Sal;
39  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
40  FETCH MyCursor INTO V_Ename, V_Sal;
41  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
42  FETCH MyCursor INTO V_Ename, V_Sal;
43  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
44  FETCH MyCursor INTO V_Ename, V_Sal;
45  DBMS_OUTPUT.PUT_LINE('Row Number '||MyCursor%ROWCOUNT||' :
'||V_Ename||''s Salary is $ '||V_Sal);
46  CLOSE MyCursor;
47* END;
SQL> /
```

```
Row Number 1 : KING's Salary is $ 5000
Row Number 2 : BLAKE's Salary is $ 2850
Row Number 3 : CLARK's Salary is $ 2450
Row Number 4 : JONES's Salary is $ 2975
Row Number 1 : KING's Salary is $ 5000
Row Number 2 : BLAKE's Salary is $ 2850
Row Number 3 : CLARK's Salary is $ 2450
Row Number 4 : JONES's Salary is $ 2975
Row Number 5 : MARTIN's Salary is $ 1250
Row Number 6 : ALLEN's Salary is $ 1600
Row Number 7 : TURNER's Salary is $ 1500
Row Number 8 : JAMES's Salary is $ 950
Row Number 1 : KING's Salary is $ 5000
Row Number 2 : BLAKE's Salary is $ 2850
Row Number 3 : CLARK's Salary is $ 2450
Row Number 4 : JONES's Salary is $ 2975
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> DECLARE
2  CURSOR EmpCursor
3  IS
4  SELECT *
```

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```
5 FROM Emp;
6 V_EmpData EmpCursor%ROWTYPE;
7 BEGIN
8 OPEN EmpCursor;
9 LOOP
10 FETCH EmpCursor INTO V_EmpData;
11 EXIT WHEN EmpCursor%NOTFOUND;
12 DBMS_OUTPUT.PUT_LINE(V_EmpData.Ename);
13 END LOOP;
14 CLOSE EmpCursor;
15 END;
16 /
```

KING
BLAKE
CLARK
JONES
MARTIN
ALLEN
TURNER
JAMES
WARD
FORD
SMITH
SCOTT
ADAMS
MILLER

PL/SQL procedure successfully completed.

```
SQL> DECLARE
2 CURSOR EmpCursor
3 IS
4 SELECT *
5 FROM Emp;
6 V_EmpData EmpCursor%ROWTYPE;
7 BEGIN
8 OPEN EmpCursor;
9 LOOP
10 FETCH EmpCursor INTO V_EmpData;
11 DBMS_OUTPUT.PUT_LINE('Record Number : '||EmpCursor%ROWCOUNT||'
'||V_EmpData.Ename);
12 EXIT WHEN EmpCursor%NOTFOUND;
13 END LOOP;
14 CLOSE EmpCursor;
15 END;
16 /
```

Record Number : 1 KING
Record Number : 2 BLAKE

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```
Record Number : 3 CLARK
Record Number : 4 JONES
Record Number : 5 MARTIN
Record Number : 6 ALLEN
Record Number : 7 TURNER
Record Number : 8 JAMES
Record Number : 9 WARD
Record Number : 10 FORD
Record Number : 11 SMITH
Record Number : 12 SCOTT
Record Number : 13 ADAMS
Record Number : 14 MILLER
Record Number : 14 MILLER
```

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  CURSOR EmpCursor
3  IS
4  SELECT *
5  FROM Emp;
6  V_EmpData EmpCursor%ROWTYPE;
7  BEGIN
8  OPEN EmpCursor;
9  LOOP
10 EXIT WHEN EmpCursor%NOTFOUND;
11 FETCH EmpCursor INTO V_EmpData;
12 DBMS_OUTPUT.PUT_LINE('Record Number : '||EmpCursor%ROWCOUNT||'
'||V_EmpData.Ename);
13 END LOOP;
14 CLOSE EmpCursor;
15* END;
```

SQL> /

```
Record Number : 1 KING
Record Number : 2 BLAKE
Record Number : 3 CLARK
Record Number : 4 JONES
Record Number : 5 MARTIN
Record Number : 6 ALLEN
Record Number : 7 TURNER
Record Number : 8 JAMES
Record Number : 9 WARD
Record Number : 10 FORD
Record Number : 11 SMITH
Record Number : 12 SCOTT
```

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Record Number : 13 ADAMS
Record Number : 14 MILLER
Record Number : 14 MILLER

PL/SQL procedure successfully completed.

SQL> ED
Wrote file afiedt.buf

```
1  DECLARE
2  CURSOR EmpCursor
3  IS
4  SELECT *
5  FROM Emp;
6  V_EmpData EmpCursor%ROWTYPE;
7  BEGIN
8  OPEN EmpCursor;
9  LOOP
10  FETCH EmpCursor INTO V_EmpData;
11  EXIT WHEN EmpCursor%NOTFOUND;
12  DBMS_OUTPUT.PUT_LINE('Record Number : '||EmpCursor%ROWCOUNT|| '
'||V_EmpData.Ename);
13  END LOOP;
14  CLOSE EmpCursor;
15* END;
```

SQL> /

Record Number : 1 KING
Record Number : 2 BLAKE
Record Number : 3 CLARK
Record Number : 4 JONES
Record Number : 5 MARTIN
Record Number : 6 ALLEN
Record Number : 7 TURNER
Record Number : 8 JAMES
Record Number : 9 WARD
Record Number : 10 FORD
Record Number : 11 SMITH
Record Number : 12 SCOTT
Record Number : 13 ADAMS
Record Number : 14 MILLER

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED
Wrote file afiedt.buf

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```
1  DECLARE
2  V_Ename Emp.Ename% TYPE;
3  V_Sal Emp.Sal%TYPE;
4  V_RowCount PLS_INTEGER := 0;
5  CURSOR EmpRowCount
6  IS
7  SELECT Ename, Sal
8  FROM Emp
9  ORDER BY Ename;
10 BEGIN
11 OPEN EMPROWCOUNT;
12 LOOP
13 FETCH EmpRowCount INTO V_Ename, V_Sal;
14 EXIT WHEN EmpRowCount%NOTFOUND;
15 V_RoWCount := EmpRoWCount%ROWCOUNT;
16 DBMS_OUTPUT.PUT_LINE('Employee Name : '||V_Ename||', Salary :
'||V_Sal);
17 END LOOP;
18 DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
19 CLOSE EmpRowCount;
20* END;
```

SQL> /

```
Employee Name : ADAMS, Salary : 1100
Employee Name : ALLEN, Salary : 1600
Employee Name : BLAKE, Salary : 2850
Employee Name : CLARK, Salary : 2450
Employee Name : FORD, Salary : 3000
Employee Name : JAMES, Salary : 950
Employee Name : JONES, Salary : 2975
Employee Name : KING, Salary : 5000
Employee Name : MARTIN, Salary : 1250
Employee Name : MILLER, Salary : 1300
Employee Name : SCOTT, Salary : 3000
Employee Name : SMITH, Salary : 800
Employee Name : TURNER, Salary : 1500
Employee Name : WARD, Salary : 1250
14 Rows Processed So Far...
```

PL/SQL procedure successfully completed.

SQL> ED
Wrote file afiedt.buf

```
1  DECLARE
2  V_Ename Emp.Ename% TYPE;
3  V_Sal Emp.Sal%TYPE;
4  V_RowCount PLS_INTEGER := 0;
5  CURSOR EmpRowCount
```

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```
6  IS
7  SELECT Ename, Sal
8  FROM Emp
9  ORDER BY Ename;
10 BEGIN
11 OPEN EMPROWCOUNT;
12 LOOP
13 FETCH EmpRowCount INTO V_Ename, V_Sal;
14 EXIT WHEN EmpRowCount%NOTFOUND;
15 --V_RoWCount := EmpRowCount%ROWCOUNT;
16 DBMS_OUTPUT.PUT_LINE('Employee Name : '||V_Ename||', Salary : '||V_Sal);
17 END LOOP;
18 DBMS_OUTPUT.PUT_LINE(EmpRowCount%ROWCOUNT||' Rows Processed So Far...');
19 CLOSE EmpRowCount;
20* END;
SQL> /
```

```
Employee Name : ADAMS, Salary : 1100
Employee Name : ALLEN, Salary : 1600
Employee Name : BLAKE, Salary : 2850
Employee Name : CLARK, Salary : 2450
Employee Name : FORD, Salary : 3000
Employee Name : JAMES, Salary : 950
Employee Name : JONES, Salary : 2975
Employee Name : KING, Salary : 5000
Employee Name : MARTIN, Salary : 1250
Employee Name : MILLER, Salary : 1300
Employee Name : SCOTT, Salary : 3000
Employee Name : SMITH, Salary : 800
Employee Name : TURNER, Salary : 1500
Employee Name : WARD, Salary : 1250
14 Rows Processed So Far...
```

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED
Wrote file afiedt.buf

```
1  DECLARE
2  CURSOR EmpCursor
3  IS
4  SELECT *
5  FROM Emp;
6  V_EmpData EmpCursor%ROWTYPE;
7  BEGIN
```

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```
8 OPEN EmpCursor;
9 DBMS_OUTPUT.PUT_LINE('The Details of Employees in Your Organization
are as Follows');
10 DBMS_OUTPUT.PUT_LINE('-----');
11 DBMS_OUTPUT.PUT_LINE('      Name      ||| Designation |||
Basic Salary ||| Annual Salary |||');
12 DBMS_OUTPUT.PUT_LINE('----- ||| ----- |||');
13 LOOP
14 FETCH EmpCursor INTO V_EmpData;
15 EXIT WHEN EmpCursor%NOTFOUND;
16 DBMS_OUTPUT.PUT_LINE(RPAD(V_EmpData.Ename, 12)||RPAD(V_EmpData.Job,
12)||LPAD(V_EmpData.Sal, 10)||LPAD(V_EmpData.Sal * 12, 20));
17 END LOOP;
18 CLOSE EmpCursor;
19* END;
```

SQL> /

The Details of Employees in Your Organization are as Follows

Name	Designation	Basic Salary	Annual Salary
KING	PRESIDENT	5000	60000
BLAKE	MANAGER	2850	34200
CLARK	MANAGER	2450	29400
JONES	MANAGER	2975	35700
MARTIN	SALESMAN	1250	15000
ALLEN	SALESMAN	1600	19200
TURNER	SALESMAN	1500	18000
JAMES	CLERK	950	11400
WARD	SALESMAN	1250	15000
FORD	ANALYST	3000	36000
SMITH	CLERK	800	9600
SCOTT	ANALYST	3000	36000
ADAMS	CLERK	1100	13200
MILLER	CLERK	1300	15600

PL/SQL procedure successfully completed.

SQL> clear

SQL> ed

Write file afiedt.buf

```
1 DECLARE
2 V_RowCount NUMBER(4);
3 CURSOR EmpCursor
4 IS
```

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```
5  SELECT *
6  FROM Emp;
7  V_EmpData EmpCursor%ROWTYPE;
8  BEGIN
9  OPEN EmpCursor;
10 DBMS_OUTPUT.PUT_LINE(RPAD('Employees Information', 80));
11 DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
12 DBMS_OUTPUT.PUT_LINE(RPAD('EmpNo', 8)||RPAD('Ename',
12)||RPAD('Job', 12)||RPAD('Deptno', 8)||RPAD('Mgr',
10)||RPAD('Hiredate', 12)||RPAD('Sal', 12)||RPAD('Comm', 10));
13 DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
14 LOOP
15 FETCH EmpCursor INTO V_EmpData;
16 EXIT WHEN EmpCursor%NOTFOUND;
17 V_RowCount := EmpCursor%ROWCOUNT;
18 DBMS_OUTPUT.PUT_LINE(RPAD(V_EmpData.Empno, 8)
||RPAD(V_EmpData.Ename, 12)||RPAD(V_EmpData.Job,
12)||RPAD(V_EmpData.Deptno, 8)||NVL(TO_CHAR(RPAD(V_EmpData.MGR, 10)), 'No
Manager')||RPAD(V_EmpData.Hiredate, 12)||RPAD(V_EmpData.Sal,
12)||NVL(TO_CHAR(RPAD(V_EmpData.Comm, 12)), '-NA-'));
19 END LOOP;
20 DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
21 CLOSE EmpCursor;
22* END;
```

SQL> /

Employees Information

EmpNo	Ename	Job	Deptno	Mgr	Hiredate	Sal
7839	KING	PRESIDENT	10	No Manager	17-NOV-81	5000
7698	BLAKE	MANAGER	30	7839	01-MAY-81	2850
7782	CLARK	MANAGER	10	7839	09-JUN-81	2450
7566	JONES	MANAGER	20	7839	02-APR-81	2975
7654	MARTIN	SALESMAN	30	7698	28-SEP-81	1250
7499	ALLEN	SALESMAN	30	7698	20-FEB-81	1600
7844	TURNER	SALESMAN	30	7698	08-SEP-81	1500
7900	JAMES	CLERK	30	7698	03-DEC-81	950

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```
.....
7521      WARD      SALESMAN      30      7698      22-FEB-81      1250
500
7902      FORD      ANALYST      20      7566      03-DEC-81      3000
-NA-
7369      SMITH      CLERK      20      7902      17-DEC-80      800
-NA-
7788      SCOTT      ANALYST      20      7566      09-DEC-82      3000
-NA-
7876      ADAMS      CLERK      20      7788      12-JAN-83      1100
-NA-
7934      MILLER      CLERK      10      7782      23-JAN-82      1300
-NA-
14 Rows Processed So Far...
```

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```

1  DECLARE
2  V_RowCount NUMBER(4);
3  CURSOR EmpCursor
4  IS
5  SELECT *
6  FROM Emp;
7  V_EmpData EmpCursor%ROWTYPE;
8  BEGIN
9  OPEN EmpCursor;
10 DBMS_OUTPUT.PUT_LINE(RPAD('Employees Information', 80));
11 DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
12 DBMS_OUTPUT.PUT_LINE(RPAD('Ename', 12)||RPAD('Job', 12)||RPAD('Sal',
12)||RPAD('Comm', 10));
13 DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
14 LOOP
15 FETCH EmpCursor INTO V_EmpData;
16 EXIT WHEN EmpCursor%NOTFOUND;
17 V_RowCount := EmpCursor%ROWCOUNT;
18 IF V_EmpData.Job = 'SALESMAN'
19 THEN
20 DBMS_OUTPUT.PUT_LINE(RPAD(V_EmpData.Ename, 12)||RPAD(V_EmpData.Job,
12)||RPAD(V_EmpData.Sal, 12)||V_EmpData.Comm||' Eligible For
Commission.');
```

```
21 ELSE
22 DBMS_OUTPUT.PUT_LINE(RPAD(V_EmpData.Ename, 12)||RPAD(V_EmpData.Job,
12)||RPAD(V_EmpData.Sal, 12)||'Sorry! Not Eligible For Commission.');
```

```
23 END IF;
```

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```
24 END LOOP;
25 DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
26 CLOSE EmpCursor;
27* END;
SQL> /
Employees Information
```

Ename	Job	Sal	Comm
KING	PRESIDENT	5000	Sorry! Not Eligible For Commission.
BLAKE	MANAGER	2850	Sorry! Not Eligible For Commission.
CLARK	MANAGER	2450	Sorry! Not Eligible For Commission.
JONES	MANAGER	2975	Sorry! Not Eligible For Commission.
MARTIN	SALESMAN	1250	1400 Eligible For Commission.
ALLEN	SALESMAN	1600	300 Eligible For Commission.
TURNER	SALESMAN	1500	0 Eligible For Commission.
JAMES	CLERK	950	Sorry! Not Eligible For Commission.
WARD	SALESMAN	1250	500 Eligible For Commission.
FORD	ANALYST	3000	Sorry! Not Eligible For Commission.
SMITH	CLERK	800	Sorry! Not Eligible For Commission.
SCOTT	ANALYST	3000	Sorry! Not Eligible For Commission.
ADAMS	CLERK	1100	Sorry! Not Eligible For Commission.
MILLER	CLERK	1300	Sorry! Not Eligible For Commission.

14 Rows Processed So Far...

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1 DECLARE
2 V_GivenJob Emp.Job%TYPE := UPPER(RTRIM(LTRIM('&GiveJob')));
3 V_SalInvest Emp.Sal%TYPE := 0;
4 V_JobCount NUMBER(3) := 0;
5 CURSOR EmpCursor
6 IS
7 SELECT *
8 FROM Emp;
9 V_EmpData EmpCursor%ROWTYPE;
10 BEGIN
11 OPEN EmpCursor;
12 DBMS_OUTPUT.PUT_LINE('Details of Employees With '||V_GivenJob||''s
Designation Are...');
```

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```
13 DBMS_OUTPUT.PUT_LINE('-----
-----');
14 DBMS_OUTPUT.PUT_LINE('          Name          '||'          Basic Salary
'||'          Annual Salary          ');
15 DBMS_OUTPUT.PUT_LINE('-----          '||'          -----          '||'
-----          ');
16 LOOP
17 FETCH EmpCursor INTO V_EmpData;
18 EXIT WHEN EmpCursor%NOTFOUND;
19 IF V_EmpData.Job = V_GivenJob
20 THEN
21 DBMS_OUTPUT.PUT_LINE(RPAD(V_EmpData.Ename, 12)||LPAD(V_EmpData.Sal,
5)||LPAD(V_EmpData.Sal * 12, 20));
22 V_SalInvest := V_SalInvest + V_EmpData.Sal;
23 V_JobCount := V_JobCount + 1;
24 ELSE
25 NULL;
26 END IF;
27 END LOOP;
28 DBMS_OUTPUT.PUT_LINE('The Total Number of '||V_GivenJob||''s Are
'||V_JobCount ||' And The Investment is : '||V_SalInvest);
29 CLOSE EmpCursor;
30* END;
```

SQL> /

Enter value for givejob: Clerk

Details of Employees With CLERK's Designation Are...

Name	Basic Salary	Annual Salary
JAMES	950	11400
SMITH	800	9600
ADAMS	1100	13200
MILLER	1300	15600

The Total Number of CLERK's Are 4 And The Investment is : 4150

PL/SQL procedure successfully completed.

SQL> /

Enter value for givejob: manager

Details of Employees With MANAGER's Designation Are...

Name	Basic Salary	Annual Salary
BLAKE	2850	34200
CLARK	2450	29400
JONES	2975	35700

The Total Number of MANAGER's Are 3 And The Investment is : 8275

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PL/SQL procedure successfully completed.

SQL> cl scr

```
SQL> DECLARE
  2  CURSOR EmpCursor
  3  IS
  4  SELECT *
  5  FROM Emp;
  6  V_EmpData EmpCursor%ROWTYPE;
  7  BEGIN
  8  OPEN EmpCursor;
  9  FETCH EmpCursor INTO V_EmpData;
 10  WHILE EmpCursor%FOUND
 11  LOOP
 12  DBMS_OUTPUT.PUT_LINE(V_EmpData.Ename);
 13  FETCH EmpCursor INTO V_EmpData;
 14  END LOOP;
 15  CLOSE EmpCursor;
 16  END;
 17  /
KING
BLAKE
CLARK
JONES
MARTIN
ALLEN
TURNER
JAMES
WARD
FORD
SMITH
SCOTT
ADAMS
MILLER
```

PL/SQL procedure successfully completed.

```
SQL> DECLARE
  2  CURSOR EmpCursor
  3  IS
  4  SELECT *
  5  FROM Emp;
  6  V_EmpData EmpCursor%ROWTYPE;
  7  BEGIN
  8  OPEN EmpCursor;
  9  FETCH EmpCursor INTO V_EmpData;
 10  WHILE EmpCursor%FOUND
```

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```
11 LOOP
12 DBMS_OUTPUT.PUT_LINE('Record Number : '||EmpCursor%ROWCOUNT||
'||V_EmpData.Ename);
13 FETCH EmpCursor INTO V_EmpData;
14 END LOOP;
15 CLOSE EmpCursor;
16 END;
17 /
```

```
Record Number : 1 KING
Record Number : 2 BLAKE
Record Number : 3 CLARK
Record Number : 4 JONES
Record Number : 5 MARTIN
Record Number : 6 ALLEN
Record Number : 7 TURNER
Record Number : 8 JAMES
Record Number : 9 WARD
Record Number : 10 FORD
Record Number : 11 SMITH
Record Number : 12 SCOTT
Record Number : 13 ADAMS
Record Number : 14 MILLER
```

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1 DECLARE
2 V_RowCount NUMBER(4);
3 CURSOR EmpCursor
4 IS
5 SELECT *
6 FROM Emp;
7 V_EmpData EmpCursor%ROWTYPE;
8 BEGIN
9 OPEN EmpCursor;
10 DBMS_OUTPUT.PUT_LINE(RPAD(LPAD('Employees Information', 49, '*'),
80, '*'));
11 DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
12 DBMS_OUTPUT.PUT_LINE(RPAD('EmpNo', 8)||RPAD('Ename',
13)||RPAD('Job', 12)||RPAD('Deptno', 8)||RPAD('Mgr',
14)||RPAD('Hiredat', 12)||RPAD('Sal', 12)||RPAD('Comm', 10));
15 DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
16 FETCH EmpCursor INTO V_EmpData;
17 WHILE EmpCursor%FOUND
18 LOOP
19 V_RoWCount := EmpCursor%ROWCOUNT;
```

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```
18 DBMS_OUTPUT.PUT_LINE (RPAD (V_EmpData.Empno, 8)
||RPAD (V_EmpData.Ename, 12)||RPAD (V_EmpData.Job,
12)||RPAD (V_EmpData.Deptno, 8)||NVL (TO_CHAR (RPAD (V_EmpData.MGR, 10)), 'No
Manager')||RPAD (V_EmpData.Hiredate, 12)||RPAD (V_EmpData.Sal,
12)||NVL (TO_CHAR (RPAD (V_EmpData.Comm, 12)), '-NA-'));
19 FETCH EmpCursor INTO V_EmpData;
20 END LOOP;
21 DBMS_OUTPUT.PUT_LINE (V_RowCount||' Rows Processed So Far...');
22 CLOSE EmpCursor;
23* END;
SQL> /
*****Employees
Information*****
```

EmpNo Comm	Ename	Job	Deptno	Mgr	Hiredate	Sal
7839 -NA-	KING	PRESIDENT	10	No Manager	17-NOV-81	5000
7698 -NA-	BLAKE	MANAGER	30	7839	01-MAY-81	2850
7782 -NA-	CLARK	MANAGER	10	7839	09-JUN-81	2450
7566 -NA-	JONES	MANAGER	20	7839	02-APR-81	2975
7654 1400	MARTIN	SALESMAN	30	7698	28-SEP-81	1250
7499 300	ALLEN	SALESMAN	30	7698	20-FEB-81	1600
7844 0	TURNER	SALESMAN	30	7698	08-SEP-81	1500
7900 -NA-	JAMES	CLERK	30	7698	03-DEC-81	950
7521 500	WARD	SALESMAN	30	7698	22-FEB-81	1250
7902 -NA-	FORD	ANALYST	20	7566	03-DEC-81	3000
7369 -NA-	SMITH	CLERK	20	7902	17-DEC-80	800
7788 -NA-	SCOTT	ANALYST	20	7566	09-DEC-82	3000
7876 -NA-	ADAMS	CLERK	20	7788	12-JAN-83	1100
7934 -NA-	MILLER	CLERK	10	7782	23-JAN-82	1300

14 Rows Processed So Far...

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PL/SQL procedure successfully completed.

SQL> SPOOL OFF

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